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(FILE 'HOME' ENTERED AT 13:28:33 ON 05 MAY 2010)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 13:29:10 ON 05 MAY 2010

L1 335 S (TRANSDUC? OR TRANSFECT? OR TRANSFORM?) (7A)T(W) (HELPER OR CYT  
L2 205075 S TCR OR T(W)CELL(3A)RECEPTOR  
L3 66 S L1(P)L2  
L4 19 DUP REM L3 (47 DUPLICATES REMOVED)

=> d au ti so pi 1-19 14

L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2010 ACS on STN  
AU Scheinman, Eyal J.; Avni, Orly  
TI Transcriptional Regulation of Gata3 in T Helper Cells by the Integrated  
Activities of Transcription Factors Downstream of the Interleukin-4  
Receptor and T Cell Receptor  
SO Journal of Biological Chemistry (2009), 284(5), 3037-3048  
CODEN: JBCHA3; ISSN: 0021-9258

L4 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2010 ACS on STN  
AU Evans, Hayley G.; Suddason, Tesha; Jackson, Ian; Taams, Leonie S.; Lord,  
Graham M.  
TI Optimal induction of T helper 17 cells in humans requires T cell receptor  
ligation in the context of Toll-like receptor-activated monocytes  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2007), 104(43), 17034-17039  
CODEN: PNASA6; ISSN: 0027-8424

L4 ANSWER 3 OF 19 MEDLINE on STN DUPLICATE 1  
AU Murano Mitsuyuki; Xiong Xiaozhong; Murano Naoko; Salzer James L; Lafaille  
Juan J; Tsiagbe Vincent K  
TI Latent TGF-beta1-transduced CD4+ T cells suppress the progression of  
allergic encephalomyelitis.  
SO Journal of leukocyte biology, (2006 Jan) Vol. 79, No. 1, pp. 140-6.  
Electronic Publication: 2005-10-21.  
Journal code: 8405628. ISSN: 0741-5400. L-ISSN: 0741-5400.

L4 ANSWER 4 OF 19 MEDLINE on STN DUPLICATE 2  
AU Chamoto Kenji; Tsuji Takemasa; Funamoto Hiromi; Kosaka Akemi; Matsuzaki  
Junko; Sato Takeshi; Abe Hiroyuki; Fujio Keishi; Yamamoto Kazuhiko;  
Kitamura Toshio; Takeshima Tsuguhide; Togashi Yuji; Nishimura Takashi  
TI Potentiation of tumor eradication by adoptive immunotherapy with T  
-cell receptor gene-transduced T-  
helper type 1 cells.  
SO Cancer research, (2004 Jan 1) Vol. 64, No. 1, pp. 386-90.  
Journal code: 2984705R. ISSN: 0008-5472. L-ISSN: 0008-5472.

L4 ANSWER 5 OF 19 MEDLINE on STN DUPLICATE 3  
AU Tsuji Takemasa; Chamoto Kenji; Funamoto Hiromi; Kosaka Akemi; Matsuzaki  
Junko; Abe Hiroyuki; Fujio Keishi; Yamamoto Kazuhiko; Kitamura Toshio;  
Togashi Yuji; Koda Toshiaki; Nishimura Takashi  
TI An efficient method to prepare T cell receptor  
gene-transduced cytotoxic T lymphocytes type 1  
applicable to tumor gene cell-therapy.  
SO Cancer science, (2003 Apr) Vol. 94, No. 4, pp. 389-93.  
Journal code: 101168776. ISSN: 1347-9032. L-ISSN: 1347-9032.

L4 ANSWER 6 OF 19 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN  
AU Whitecar, Paul [Reprint author]; Boggess, Kim; McMahon, Michael; Thorp,

John, Jr.; Taylor, Douglas

TI T-cell zeta chain expression in women with preeclampsia compared to normotensive pregnant controls.

SO American Journal of Obstetrics and Gynecology, (January, 2001) Vol. 184, No. 1, pp. S76. print.  
Meeting Info.: 21st Annual Meeting of the Society for Maternal-Fetal Medicine. Reno, Nevada, USA. February 05-10, 2001. Society for Maternal-Fetal Medicine.  
CODEN: AJOGAH. ISSN: 0002-9378.

L4 ANSWER 7 OF 19 MEDLINE on STN DUPLICATE 4

AU Shen X; Lee K; Konig R

TI Effects of heavy metal ions on resting and antigen-activated CD4(+) T cells.

SO Toxicology, (2001 Dec 1) Vol. 169, No. 1, pp. 67-80.  
Journal code: 0361055. ISSN: 0300-483X. L-ISSN: 0300-483X.

L4 ANSWER 8 OF 19 MEDLINE on STN DUPLICATE 5

AU Lee K; Shen X; Konig R

TI Effects of cadmium and vanadium ions on antigen-induced signaling in CD4(+) T cells.

SO Toxicology, (2001 Dec 1) Vol. 169, No. 1, pp. 53-65.  
Journal code: 0361055. ISSN: 0300-483X. L-ISSN: 0300-483X.

L4 ANSWER 9 OF 19 MEDLINE on STN DUPLICATE 6

AU al-Ramadi B K; Zhang H; Bothwell A L

TI Cell-cycle arrest and apoptosis hypersusceptibility as a consequence of Lck deficiency in nontransformed T lymphocytes.

SO Proceedings of the National Academy of Sciences of the United States of America, (1998 Oct 13) Vol. 95, No. 21, pp. 12498-503.  
Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.  
Report No.: NLM-PMC22859.

L4 ANSWER 10 OF 19 MEDLINE on STN DUPLICATE 7

AU Kuwano K; Akashi A; Arai S

TI An anergic cytotoxic T lymphocyte clone exhibits granule exocytosis-mediated cytotoxicity.

SO Cellular immunology, (1998 May 1) Vol. 185, No. 2, pp. 114-22.  
Journal code: 1246405. ISSN: 0008-8749. L-ISSN: 0008-8749.

L4 ANSWER 11 OF 19 MEDLINE on STN DUPLICATE 8

AU Stahls A; Hong S C; Liwszyc G E; Janeway C Jr; Andersson L C; Wolff H

TI Signalling initiated with CD4-TCR or TCR-TCR interactions: comparison of tyrosine phosphorylation patterns and CD45 effects.

SO Immunology letters, (1998 Feb) Vol. 60, No. 2-3, pp. 103-9.  
Journal code: 7910006. ISSN: 0165-2478. L-ISSN: 0165-2478.

L4 ANSWER 12 OF 19 MEDLINE on STN DUPLICATE 9

AU Marth T; Strober W; Seder R A; Kelsall B L

TI Regulation of transforming growth factor-beta production by interleukin-12.

SO European journal of immunology, (1997 May) Vol. 27, No. 5, pp. 1213-20.  
Journal code: 1273201. ISSN: 0014-2980. L-ISSN: 0014-2980.

L4 ANSWER 13 OF 19 MEDLINE on STN DUPLICATE 10

AU Kuchroo V K; Byrne M C; Greenfield E; Whitters M J; Nalefsky E A; Rao A; Collins M; Dorf M E

TI Transfection of TCR alpha-chains into suppressor and T helper cell hybridomas. Production of suppressor factors with predicted antigen specificity.

SO Journal of immunology (Baltimore, Md. : 1950), (1995 May 15) Vol. 154, No.

10, pp. 5030-8.

Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.

- L4 ANSWER 14 OF 19 MEDLINE on STN DUPLICATE 11  
AU Zhang X; Giangreco L; Broome H E; Dargan C M; Swain S L  
TI Control of CD4 effector fate: transforming growth factor beta 1 and interleukin 2 synergize to prevent apoptosis and promote effector expansion.  
SO The Journal of experimental medicine, (1995 Sep 1) Vol. 182, No. 3, pp. 699-709.  
Journal code: 2985109R. ISSN: 0022-1007. L-ISSN: 0022-1007.  
Report No.: NLM-PMC2192155.
- L4 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2010 ACS on STN  
AU He, Xiaowen; Zhong, Wanyun; Goronzy, Jorg J.; Weyand, Cornelia M.  
TI Induction of B cell apoptosis by TH0, but not TH2, CD4+ T cells  
SO Journal of Clinical Investigation (1995), 95(2), 564-70  
CODEN: JCINAO; ISSN: 0021-9738
- L4 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2010 ACS on STN  
AU Nagoya, Satoshi; Greenberg, Philip D.; Yee, Cassian; Weissner, Karen E.; Sugawara, Hiroyuki; Widmer, Michael B.; Slack, Jennifer; Dower, Steven K.; Lupton, Stephen D.; Overell, Robert W.  
TI Helper T cell-independent proliferation of CD8+ cytotoxic T lymphocytes transduced with an IL-1 receptor retrovirus  
SO Journal of Immunology (1994), 153(4), 1527-35  
CODEN: JOIMA3; ISSN: 0022-1767
- L4 ANSWER 17 OF 19 MEDLINE on STN DUPLICATE 12  
AU DeBell K E; Conti A; Alava M A; Hoffman T; Bonvini E  
TI Microfilament assembly modulates phospholipase C-mediated signal transduction by the TCR/CD3 in murine T helper lymphocytes.  
SO Journal of immunology (Baltimore, Md. : 1950), (1992 Oct 1) Vol. 149, No. 7, pp. 2271-80.  
Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.
- L4 ANSWER 18 OF 19 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN DUPLICATE 13  
AU HUNTER M [Reprint author]; SUGIYAMA H; SITKOVSKY M  
TI EFFECT OF TRANSFECTION OF 2B4 T-HELPER HYBRIDOMA WITH CAMP BINDING SITE-MUTATED REGULATORY R1M SUBUNIT OF PK-A ON T-CELL RECEPTOR TRIGGERED PROGRAMMED CELL DEATH.  
SO FASEB Journal, (1992) Vol. 6, No. 5, pp. A1984.  
Meeting Info.: 1992 MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY (FASEB), PART II, ANAHEIM, CALIFORNIA, USA, APRIL 5-9, 1992. FASEB (FED AM SOC EXP BIOL) J.  
CODEN: FAJOEC. ISSN: 0892-6638.
- L4 ANSWER 19 OF 19 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN  
AU SUGIYAMA H [Reprint author]; HUNTER M; SITKOVSKY M  
TI EFFECT OF TRANSFECTION OF 2B4 T-HELPER HYBRIDOMA WITH CAMP BINDING SITE-MUTATED REGULATORY R1M SUBUNIT OF PK-A ON T-CELL RECEPTOR TRIGGERED PROGRAMMED CELL DEATH.  
SO Journal of Cellular Biochemistry Supplement, (1992) No. 16 PART B, pp. 231.  
Meeting Info.: KEYSTONE SYMPOSIUM ON POSITIVE GROWTH CONTROL, KEYSTONE, COLORADO, USA, JANUARY 26-FEBRUARY 2, 1992. J CELL BIOCHEM SUPPL.

=> d ab 7 8 14

- L4 ANSWER 7 OF 19 MEDLINE on STN DUPLICATE 4  
AB Heavy metal environmental pollutants increase susceptibility of affected individuals to bacterial and viral infections, but the mechanisms responsible for this effect are not known. We established cellular in vitro systems to identify molecular targets for the action of heavy metal ions. We used two model systems to determine the effects of heavy metal ions on antigen-induced T lymphocyte responses. The first system was representative of primary antigen responses and utilized CD4(+) primary T lymphocytes derived from DO.11.10 T cell receptor transgenic mice. The second system represented a memory T cell phenotype and utilized the CD4(+) T helper 1 clone, pGL2. We measured the effects of the four heavy metals cadmium, lead, mercury, and vanadium on cytokine and proliferation responses by purified CD4(+) T cell to antigenic stimulation. Cytokine responses were differentially affected by lead and vanadium at concentrations that did not affect T cell proliferation in response to antigen. We also determined whether the metal ions induced apoptotic cell death. Mercury induced apoptosis at concentrations as low as 0.5 microM, whereas cadmium required a concentration of 100 microM. Lead (maximal concentration tested was 200 microM) and vanadium (100 microM) did not induce apoptosis. The results suggested that the different heavy metal ions differentially affected antigen-stimulated responses in T helper cells. These in vitro systems can now be applied to test whether heavy metal ions alter antigen-induced T cell signal transduction pathways in CD4(+) T helper cells.
- L4 ANSWER 8 OF 19 MEDLINE on STN DUPLICATE 5  
AB Heavy metal environmental pollutants modulate antigen-directed responses by T lymphocytes, but the molecular mechanisms by which certain metal ions exert their effects are only poorly understood. We tested the hypothesis that cadmium and vanadium ions alter antigen-induced T cell signal transduction pathways in CD4(+) T helper cells. We used CD4(+) primary T lymphocytes and splenic T cells from DO.11.10 T cell receptor transgenic mice. We determined the effects of cadmium chloride and sodium orthovanadate at concentrations that did not induce apoptotic cell death, but affected cytokine or proliferation responses to antigenic stimulation. We used electrophoretic mobility shift assays to measure effects of cadmium and vanadium ions on antigen-induced activation of the nuclear transcriptional regulator proteins, nuclear factor-kappaB, cyclic AMP response element binding protein, nuclear factor of activated T cells, and activator protein-1. Different signaling pathways lead to activation of these transcription factors. Our results suggest that the two heavy metal ions differentially affect signaling pathways. This knowledge will help in the development of molecular epidemiological assays.